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TITLE: WATER-CONTAINING STERILIZING COMPOSITION

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INVENTOR-INFORMATION:

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TAKEDA CHEM IND LTD

APPL-NO: JP04327281

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ABSTRACT:

PURPOSE: To provide the uniform water-containing sterilizing composition containing a carbamate compound, an epoxy compound and further a specific glycol monoether compound, holding a high physiological activity, high in stability and safety, and substantially used for industry.

CONSTITUTION: The water-containing sterilizing composition contains a carbamate compound, an epoxy compound and further a glycol monoether compound of formula I (R1 is 1-4C alkyl; m is 1-4; n is 2-4) (especially preferably methylcarbitol). Water, the carbamate compound, the epoxy compound and the glycol monoether compound are preferably compounded in amounts of 100 pts.wt., 0.5-300 pts.wt., 0.01-50 pts.wt., and 5-500 pts.wt., respectively. The carbamate compound is preferably a compound of formula II (R2 is hydrocarbon; X is halogen; y, z are 1-3), especially 3-iodo-2-propynyl butylcarbamate. The epoxy compound is preferably a compound of formula III (R3 is aliphatic group; (a) is 1-3), especially neopentyl glycol glycidyl ether, etc.

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